

# CURRICULUM VITAE

## I. PERSONAL INFORMATION

**Name:** Mario  
**Surname:** Cuchillo Hilario  
**Birth day:** March 1979.  
**Birth place:** Cardonal, Hidalgo. Mexico.  
**Nationality:** Mexican  
**Languages:** Spanish (Mother tongue)  
English (Read, write and speak)  
German (Intermediate level)  
Hñähñü (Basic knowledge)



e-mail: [mcuchil@gwdg.de](mailto:mcuchil@gwdg.de)

[www.uni-goettingen.de](http://www.uni-goettingen.de)

## II. ACADEMIC DEGREES

### II.1 Current Studies:

[Georg-August-University Goettingen](#). (2008 – Present).

International Ph.D. Program for Agricultural Sciences in Göttingen (IPAG).

Institute of Grassland Science. Von-Siebold-Str. 8. 37075. Goettingen. Germany.

**Project:** Performance and grazing behaviour of cows and sheep grazing alone or together on grass swards differing in plant species diversity.

### II.2 Master Degree:

[National University Autonomous of Mexico](#). UNAM. FES-Cuautitlán. (2004-2006).

Title: **Master of Science**. February 9th 2007. Animal Production and Health Sciences.

**Thesis:** Effect of feeding system on functional and nutritive components of raw and pasteurized soft goat's milk cheese.

### II.3 Bachelor Degree:

[National University Autonomous of Mexico](#). UNAM. FES- Cuautitlán. (1998-2002).

Title: **Veterinary Medicine and Zootecnist**. February 16th 2004.

**Thesis:** Effect of three kinds of supplementation on feed intake, ruminal fermentation and *in situ* disappearance kinetics in sheep fed with corn straw (*Zea mays*) and alfalfa hay (*Medicago sativa*).

### III. ACADEMIC HONORS - GRANTS IN PROFESSIONAL AND SCIENTIFIC FIELDS

- 12) **Postgraduate scholarship holder.** October 2008-October 2011. [Deutscher Akademischer Austausch Dienst - DAAD](#) (German Academic Exchange Service). Germany.
- 11) **National postgraduate scholarship holder.** October 2008-October 2011. [Secretary of Public Education](#). DGRI. Mexico.
- 10) **Top ten most-read articles for the previous 12 months.** April-December 2010. Cuchillo, H.M. *et al.*, 2010. Antioxidant activity, bioactive polyphenols in Mexican goats' milk cheeses on summer grazing. *Journal of Dairy Research*. 
- 9) **Travel grant.** [Deutsche Forschungsgemeinschaft-DFG](#) (German Research Foundation). July 2010. To visit "The Joint Annual Meeting of ADSA, PSA, AMPA, CSAS, and ASAS". Denver, Colorado. USA.
- 8) **National Research Assistant SNI.** [Consejo Nacional de Ciencia y Tecnología](#) (CONACYT). January 2006- January 2009. Instituto Nacional de Ciencias Médicas y Nutrición Salvador Zubirán. INCMNSZ.
- 7) **Grant holder of Master Degree.** [Consejo Mexiquense de Ciencia y Tecnología](#) (COMECYT). Mexico. September 2006–February 2007.
- 6) **Professor Assistant.** "Sheep and goat clinic". National University Autonomous of Mexico. UNAM. [FES- Cuautitlán](#). August 2004–August 2006.
- 5) **National grant holder of Master Degree.** [Consejo Nacional de Ciencia y Tecnología](#) (CONACYT). February 2004–February 2006.
- 4) **Winner of the student oral presentations.** Cuchillo, H.M. *et al.*, 2005. El queso fresco de leche de cabra como alimento funcional. (The soft goat's milk cheese as functional food). [V Congress of the Northwest. I National Congress of alimentary Sciences and Biotechnology](#).
- 3) **Grant holder** of the project: "Improvement of the organic grazing in ruminants and fermentation for the production of foods for better quality for human consume. Development of probiotics and prebiotics for the production of functional products". [PAPPIT UNAM IN215706](#).
- 2) **Grant holder** of the project: Improvement of biosustained systems and ruminant fermentation feed with fibroses forages, using complex supplements with continues administration of non protein nitrogen. PAPIIT UNAM IN 211701.
- 1) **Grant holder.** [Roberto Pla Inchausty Foundation](#). I.A.P. Concepción Beistegui No. 1514. Del Valle. México D.F. 1998-2002.















### IV. RESEARCH PROJECTS PARTICIPATION

- 8) **2008-2011.** "Performance and grazing behavior of cows and sheep grazing alone or together on grass swards differing in plant species diversity". [BIOMIX](#). University of Goettingen. Germany.
- 7) **2006-2008.** "Improvement of the ruminants organic grazing for the production of foods with better quality for human consumers. Development of probiotics and prebiotics for the production of functional foods". PAPPIT UNAM IN215706.
- 6) **2005-2007.** "Effect of feeding system over nutrimental, nutraceutical properties and bacteriologic analysis of raw or pasteurized goat's cheese". NAN 032-05/07-1. INCMNSZ, FES-C. UNAM














- 5) **2005**. "The goat products, an alternative to improve the nutritional status of the population". INNCSMSZ. NAN-036-05/06-1
- 4) **2004**. "Organic production of milk and meat in relation to their nutritional quality". UNAM. FES-Cuautitlán. IX233004.
- 3) **2003-2004**. "Utilization of the supplemented grazing by ruminal fermentation process for the biosustained use of land, with fibrous forages or lactic procedure for the artisan production of cheese for human consumption". Unión Ganadera Regional de Querétaro, FES-Cuautitlán, FIRA, Fundación Produce Querétaro and INCMNSZ.
- 2) **2003**. "Effect of tree types of supplements on ruminal fermentation in sheep feed with corn straw (*Zea mays*) and alfalfa hay (*Medicago sativa*)". NAN-022-03/04-1. INCMNSZ.
- 1) **2003**. "Biosustainable improvement of the ruminants fermentation systems feed with fibrous forages using continues non nitrogen supplements". PAPPIT UNAM IN1211701.





## V. PUBLICATIONS

### V.1 Papers in peer reviewed journals

- 9) **Cuchillo, H.M.**, and J. Isselstein. 2010. Grazing behaviour of cattle and sheep grazing alone or together on grass swards differing in plant species diversity. *Journal of Animal Science*. 88:193 (E-Suppl. 2).  
- 8) **Cuchillo, H.M.**, Puga, D.C., Navarro, O.A. and Pérez-Gil, R.F. 2010. Plant bioactive screening of vegetation browsed/grazed by goats on Mexican semiarid rangelands. *Journal of Animal Science*. 88:144 (E-Suppl. 2).  
- 7) **Cuchillo, H.M.**, Puga, D.C., Wrage, N. and Pérez-Gil, R.F. 2010. Feeding goats on scrubby Mexican rangeland and pasteurization: Influences on milk and artisan cheese quality. *Tropical Animal Health and Production*. 42(6):1127-1134.  
- 6) **Cuchillo, H.M.**, Puga, D.C., Navarro, O.A. and Pérez-Gil, R.F. 2010. Antioxidant activity, bioactive polyphenols in Mexican goats' milk cheeses on summer grazing. *Journal of Dairy Research*. 77(1): 20-26. 
- 5) **Cuchillo, H.M.**, Puga, D.C. Galina M.A. and Pérez-Gil, R.F. 2009. Influence of semiarid summer browsing on chemical composition in goat's milk cheeses. *Tropical and Subtropical Agroecosystems*. 11(1):25-28.  
- 4) Puga, D.C., **Cuchillo H.M.** and Pérez-Gil, R.F. 2009. Effect of feeding management and seasonal variation on fatty acid composition of Mexican soft raw goats' milk cheese. *Italian Journal of Animal Science*. 8(2): 402-404.  
- 3) Puga, D.C., Galina, M.A., Bonilla C.A., **Cuchillo H.M.**, Montañó B.S. Castillo D.R., Villareal E. and Pérez-Gil, R.F. 2009. Effect of feeding management on the nutritional composition of Mexican artisan soft cheese made with raw or parteurized goats' milk. *Indian Journal of Animal Sciences*. 79(3):321-326. 
- 2) Puga, D.C., Sanguines, L. **Cuchillo H.M.**, and Pérez-Gil, F.P. 2008. Feed intake, its utilization and rumen fermentation pattern in sheep fed aquatic plant *Schoenoplectus americanus*. *Indian Journal of Animal Sciences*. 78(6): 658-660. 
- 1) Galina, M.A., Osnaya, F., **Cuchillo, H.M.** and G.F.W. Haenlein. 2007. Cheese quality from milk of grazing or indoor fed Zebu cows and Alpine crossbred goats. *Small Ruminant Research*. 71 (1-3):264-272. 

## V.2 Conference proceedings

- 16) **Cuchillo, H.M.**, and J. Isselstein. 2010. Intake choices of cattle and sheep grazing alone or together on grass swards differing in plant species diversity. [23rd General Meeting of the European Grassland Federation-EGF](#). Kiel, Germany. *Grassland Science in Europe*. 15:992-994. 
- 15) **Cuchillo, H.M.**, and J. Isselstein. 2010. Grazing behaviour of cattle and sheep grazing alone or together on grass swards differing in plant species diversity. [The joint annual meeting of ADSA, PSA, AMPA, CSAS and ASAS](#). Denver, Colorado. USA. *Journal of Animal Science*. 88:193 (E-Suppl. 2).  
- 14) **Cuchillo, H.M.**, Puga, D.C., Navarro, O.A. and Pérez-Gil, R.F. 2010. Plant bioactive screening of vegetation browsed/grazed by goats on Mexican semiarid rangelands. [The joint annual meeting of ADSA, PSA, AMPA, CSAS and ASAS](#). Denver, Colorado. USA. *Journal of Animal Science*. 88:144 (E-Suppl. 2).  
- 13) Puga, D.C., **Cuchillo H.M.** and Pérez-Gil, R.F. 2009. Effect of feeding management and seasonal variation on fatty acid composition of Mexican soft raw goats' milk cheese. [XVIII ASPA National Congress](#). Palermo, Italy. *Italian Journal of Animal Science*. 8(2): 402-404.  
- 12) Puga, D.C., Mireles, M.E.J., **Cuchillo, H.M.** and Pérez-Gil, R. F. 2008. Performance and carcass yield of goat kids under tropical grazing conditions in Guerrero, Mexico. [9th International conference on goats](#). Queretaro, Mexico. 128. 
- 11) **Cuchillo, H.M.**, Puga, D.C., Galina, M.A. and Pérez-Gil, R.F. 2008. Influence of semiarid summer browsing on chemical composition in goat's milk cheese. [9th International conference on goats](#). Queretaro, Mexico. 96. 
- 10) Puga, D.C., Fuentes, A., Castillo, D.R.M., **Cuchillo, H.M.**, Galina, M.A. and Pérez-Gil, R.F. 2008. Fatty acids and CLA of commercial goat's milk cheeses manufactured in Mexico. [9th International conference on goats](#). Queretaro, Mexico. 95. 
- 9) Puga, D.C., **Cuchillo, H.M.**, Castillo, D.R.M., Galina, M.A. and Pérez-Gil, R.F. 2008. Microbiological and fatty acid and conjugate linoleic acid (CLA) change of Mexican goat milk cheese during storage: freezing and refrigeration. [9th International conference on goats](#). Queretaro, Mexico. 94. 
- 8) **Cuchillo, H.M.**, Puga, D.C., Galina, M.A. and Pérez-Gil, F. 2007. Fatty acids of Mexican soft goat's cheese, under grazing or indoor feeding system from raw or pasteurized milk. [25th founding anniversary of the International goat association \(IGA\)](#). Bella Scalo and Moliterno, Italy. 24-25.
- 7) Puga, D.C., **Cuchillo, H.M.**, Galina, M.A. and Pérez-Gil, F. 2006. Efecto del sistema de manejo sobre la calidad nutricional del queso de cabra de pasta láctica. (Effect of the management on the nutritional quality of the lactic soft goat's cheese). XXI Reunión Nacional sobre caprinocultura. Toluca, Mexico.
- 6) **Cuchillo, H.M.**, Puga, C., Galina, M.A., Pérez-Gil, F., Montañón, S. and Navarro, A. 2006. Effect of grazing on development goat's soft cheese, as functional Food. [13th World congress of food science and technology](#). Nantes, France. 18.
- 5) **Cuchillo, H.M.**, Puga, D.C., Galina, M.A., Pérez-Gil, F., Montañón-Benavides, S., and Castillo-Domínguez, R. 2006. El queso fresco de leche de cabra como alimento funcional (The soft goat's milk cheese as functional food). V Congress of the Northwest. I National congress of alimentary sciences and biotechnology. Hermosillo, Sonora, Mexico. *Revista salud pública y nutrición*. 8:137.  

- 4) Galina, M.A., Puga, D.C., Bonilla-Contrearas C.A. and **Cuchillo, H.M.** 2006. Goat cheese quality under Mexican grazing or indoors management in Mexico. [International symposium on goat farming in central and eastern European countries](#). Regional conference of the International goat association. Constanza, Rumania. 211-221. 
- 3) **Cuchillo, H.M.**, Puga, D.C., Galina, M.A., Pérez-Gil, F., Montañó, B.S. and Castillo, D.R.M. 2005. Manejo alimenticio y su impacto en la calidad nutrimental y nutracéutica del queso de cabra del semiárido Mexicano. [XX Reunión nacional sobre caprinocultura](#). Culiacan, Sinaloa, Mexico. 571-580.
- 2) **Cuchillo, H.M.**, Puga, D.C., Galina, M.A., Pérez-Gil, F., Montañó, B.S. and Navarro-Ocaña, A. 2005. Efecto del sistema de alimentación sobre la actividad antioxidante del queso de leche de cabra, en México. (Effect of the feeding system on the antioxidant activity of soft goat's cheese, in Mexico). XIX Reunión de la asociación Latinoamericana de Producción Animal. Tampico, Tamaulipas, Mexico. *Archivos Latinoamericanos de Producción Animal*. 13(4):144. (Suppl. 1).  
- 1) **Cuchillo, H.M.**, Puga, D.C., Galina, M.A., Pérez-Gil, F., Montañó, B.S., Castillo, D.R.M., Villareal, D.E. and Navarro, O.A. 2005. ¿Influye el pastoreo sobre la calidad nutrimental del queso de leche de cabra, Mexicano?. [XXIX National Congress of Buiatrics](#). Puebla, Mexico. 234. 

## VI. COURSES - WORKSHOPS – SEMINARIES - MEETINGS

- 16) **Meeting.** [23rd General Meeting of the European Grassland Federation-EGF](#). Grassland in a changing world. 29th august-2nd september 2010. Kiel. Germany.
- 15) **Seminar.** Scientific writing. Led by the Deputy Editor of the "Grass and Forage Science" Journal - Alan Hopkins. 27th-28th August 2010. University of Goettingen. Goettingen. Germany.
- 14) **Meeting.** [The joint annual meeting of ADSA, PSA, AMPA, CSAS and ASAS](#). 11th-15th July. Denver, Colorado. USA.
- 13) **Workshop.** Endnote. Goettingen. Germany. 7th May 2010.
- 12) **Seminar.** [53. Aniversary of AGGF. Arbeitsgemeinschaft Grünland und Futterbau der Gesellschaft Pflanzenbauwissenschaften e.V.](#) Kleve. Germany. 27th-29th August 2009
- 11) **Seminar.** [52. Aniversary of AGGF. Arbeitsgemeinschaft Grünland und Futterbau der Gesellschaft Pflanzenbauwissenschaften e.V.](#) Zollikofen. Switzerland. August 28th-30th 2008.
- 10) **German course.** [Goethe Institut-Goettingen](#). Merkel Str. 4. 37085. Goettingen. Germany. April-October 2008.
- 9) **Symposium.** Functional foods. Evidences, Innovations and Human Health. Instituto Nacional de Ciencias Médicas y Nutrición Salvador Zubirán. INCMNSZ. Mexico D.F. June 15th-16th 2006.
- 8) **Congress.** [V Congress of the Northwest. I National Congress of alimentary Sciences and Biotechnology](#). Hermosillo, Sonora. Mexico. D.F. November 7th-12th 2005.
- 7) **Seminar.** Goat's products, an alternative to improve the nutritional status of the population. Instituto Nacional de Ciencias Médicas y Nutrición Salvador Zubirán. INCMNSZ. October 6th-7th 2005.
- 6) **Congress.** [XXIX National Congress of Buiatrics](#). Puebla, Mexico. August 11th-13th 2005.

- 5) **Seminar.** The sea products, strategic food for the Mexican. Instituto Nacional de Ciencias Médicas y Nutrición Salvador Zubirán. INCMNSZ. Mexico D.F. October 2nd-3rd 2003.
- 4) **English course.** Center of languages. National University Autonomous of Mexico. UNAM. FES - Cuautitlan. January 2000-November 2002.
- 3) **Symposium.** International Symposium of Caprinoculture. UNAM/FES-Cuautitlan/IGA. Santiago de Queretaro. Mexico. September 30th-October 2nd 2002.
- 2) **Course.** 3th Course of posology in veterinary medicine. National University Autonomous of Mexico. UNAM. FES-Cuautitlan. Mexico. November 22th-23th 2001.
- 1) **English course.** [Harmon Hall](#). Lindavista. Mexico. D.F./Secretary of Public Education. January 2000-April 2001.

## **VII. MEMBERSHIPS**

- 1) [Roberto Pla Inchausty Foundation](#). Ex-scholarship Holders Association. Mexico. D.F. (Since 2004)
- 2) [Network of Talented Mexicans Abroad](#). [Mexikanisches Talentnetzwerk in Deutschland](#) (2010-Present)

## **VIII. MAIN SCIENTIFIC AREA OF RESEARCH**

Ruminant production and quality assessment of animal products.